



US005906893A

**United States Patent** [19]  
**Stein****[11] Patent Number: 5,906,893**  
**[45] Date of Patent: May 25, 1999****[54] SPRAYABLE, ADDITION CURABLE  
SILICONE FOUL RELEASE COATINGS AND  
ARTICLES COATED THEREWITH**5,468,477 11/1995 Kumar et al. .... 528/28  
5,792,723 8/1998 Ikeno et al. .... 502/158**FOREIGN PATENT DOCUMENTS**320716A2 6/1989 European Pat. Off. .  
646672A1 4/1995 European Pat. Off. .*Primary Examiner*—Randy Gulakowski*Attorney, Agent, or Firm*—Noreen C. Johnson; Douglas E.  
Stoner**[75] Inventor: Judith Stein**, Schenectady, N.Y.**[73] Assignee: General Electric Company**,  
Schenectady, N.Y.**[21] Appl. No.: 08/837,882****[22] Filed: Apr. 25, 1997****[51] Int. Cl.<sup>6</sup> ..... B32B 9/04****[52] U.S. Cl. .... 428/447; 428/450; 525/478;**  
525/479; 528/15; 528/31; 528/32**[58] Field of Search ..... 525/478, 479;**  
528/15, 31, 32; 428/447, 450**[56] References Cited****U.S. PATENT DOCUMENTS**4,427,801 1/1984 Sweet ..... 523/212  
4,698,386 10/1987 Fujimoto ..... 528/31  
4,861,670 8/1989 Lampe et al. .... 428/447  
5,391,590 2/1995 Gerace et al. .... 528/31**[57] ABSTRACT**

Sprayable, environmentally harmless addition curable silicone foul release coating compositions comprise a polyorganosiloxane having at least two organic radicals bound to silicon which have therein a carbon-carbon double bond, a polyorganosiloxane having at least two Si—H moieties per molecule, silica having a surface area in the range of about 100–600 m<sup>2</sup>/g, a platinum group hydrosilylation catalyst and a polymerization inhibitor. One of the polyorganosiloxane components comprises internally functional and terminally functional compounds.

**11 Claims, No Drawings**